



# TOWN OF SURF CITY

Annual Utility Reports

January 2015

## Surf City Utility Department News

Surf City water system customers residing in Pender County ( this does not apply to those served by the Onslow Water and Sewer Authority) are likely aware that we have been working to resolve problems with the disinfection by-products Trihalomethanes (THM) and Haloacetic Acids (HAA) . Until recently we used Chlorine to disinfect our water supply to prevent harmful waterborne pathogens. Chlorine is an effective and economical disinfectant, but in some cases naturally occurring organics in the water can cause disinfection by-products when they mix with Chlorine. In our case the Town's water system exceeded the allowable limits for THM's and HAA's. We tried a variety of methods with the current water system and worked closely with the State of NC and professional engineers to find the best resolution. This past November we changed our disinfection process to a Chloramine system, which chemically uses both Chlorine and Ammonia. The great news is that the change in our disinfection process had the immediate effect of getting our water quality back into compliance. The first samples analyzed brought both THM and HAA levels below the maximum allowable limits. Included in this newsletter is a Notice of Violation for the sampling period prior to the change to Chloramine process. The violations are based on a running quarterly average which means that even though our drinking water currently meets all standards, the average based on the past year is still high enough to require a notification. Our Mayor and Town Council made this issue a very high priority and we are pleased to report that we have resolved our disinfection by-product issues.

### **Wastewater Treatment Plant Report:**

The Surf City WWTP was compliant with all annual permit effluent limits and there were no notice of violations for 2014 while treating over 171 million gallons of wastewater. See full report inside.

### **Wastewater Collection System Report:**

The Town of Surf City Wastewater Collections Department had one non-reportable sewer spill during 2014. The spill was as a result of a outside contractor error in cutting a sewer force main. The spill was immediately contained and the system repaired with no impact to the environment. See full report inside.

### **In This Report**

- 2014 Wastewater Treatment Report
- 2014 Wastewater Collection System Report
- Updates on Water Quality Improvements

# Town of Surf City Annual Utility Reports



The Town of Surf City provides periodic reports to its utility customers as required by State of North Carolina. In this newsletter you will find the 2014 Annual Wastewater Treatment Plant Report, Wastewater Collection System Report and updates to our Trihalomethanes and Haloacetic Acid water system violations including news about our recent progress in resolving those issues.

For more information call Town Hall or visit our website to access these and other Water and Wastewater System reports.

*Big enough to be competitive, but small enough to be happy!*

**Town of Surf City**  
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